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**Notice of Allowability**

Application No.

09/785,573

Examiner

Jean M. Corrielus

Applicant(s)

CREETH, RICHARD F.

Art Unit

2162

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to THE AMENDMENT FILED ON September 14, 2007.
2. ☒ The allowed claim(s) is/are 11-43 RENUMBERED AS CLAIMS 1-34.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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 JEAN M. CORRIELUS  
 PRIMARY EXAMINER  
 Art Unit 2162

### DETAILED ACTION

1. This office action is in response to the amendment filed on September 14, 2007, in which claims 11-43 are presented for further examination.

### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Todd M. Oberdick (Reg. No. 44,268) on October 1, 2007.

The application has been amended as follows:

**In the claim:**

11. (Currently amended) A system for displaying data instantiating and inflating objects from a multidimensional database to a user, said system comprising:
  - a system computer having a processor and a memory;
  - a multidimensional database accessible by said computer, said multidimensional database having objects stored thereon; and
  - object model software executing on said system computer ~~for accessing~~ which accesses said multidimensional database, ~~to for instantiating and inflating~~ instantiate and inflate a predefined group of specified objects stored on said database up-front a first time said multidimensional database is accessed, and ~~instantiating and inflating~~ instantiate and inflate

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nonspecified objects which are not included in the predefined group of specified objects stored on said database on demand as each of the nonspecified objects is accessed.

12. (Currently amended) The system of Claim 11 further comprising ~~software executing on said computer for receiving~~ receiving from ~~the~~ a user an indication of specified objects.

13. (Currently amended) The system of Claim 11 further comprising ~~software executing on said computer for receiving~~ receiving from ~~the~~ a user state information.

20. (Currently amended) The system of Claim 11 further comprising ~~software executing on said computer for receiving~~ receiving from ~~the~~ a user an indication of specified objects.

24. (Currently amended) A system for instantiating and inflating objects from a multidimensional OLAP database, said system to a user, said system comprising:

a system computer, having a processor and a memory;

a multidimensional database accessible by said computer, said multidimensional database having objects stored thereon; and

object model software executing on said system computer for accessing which accesses said multidimensional database ~~for instantiating and inflating~~ to instantiate and inflate a predefined group of specified objects stored on said multidimensional database up-front a first time said multidimensional database is accessed, and ~~for instantiating and inflating~~ to instantiate and inflate nonspecified objects which are not included in the predefined group of

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specified objects stored on said database on demand as each of the nonspecified objects is accessed; ~~and , wherein said object model software executing on said computer for receiving~~ receives from the user an indication of specified objects and state information.

27. (Currently amended) A system for displaying data instantiating and inflating objects from a multidimensional database to a user, said system comprising: a system computer; a multidimensional database accessible by said computer, said multidimensional database having objects stored thereon; and

object model software executing on said system computer ~~for accessing~~ which accesses said multidimensional database, ~~for instantiating and inflating to instantiate and inflate~~ a predefined group of specified objects stored on said multidimensional database up-front a first time said multidimensional database is accessed, ~~and for and to instantiating and inflating~~ instantiate and inflate nonspecified objects which are not included in the predefined group of specified objects stored on said multidimensional database on demand as each of the nonspecified objects is accessed, wherein said object model software employs an object model comprising: a dataspace comprising at least one dataserver; at least one cube object stored on each of said at least one dataserver, each of said at least one cube object comprising at least one saved view of data; and at least one dimension object stored on each of said at least one dataserver, each of said at least one dimension object comprising at least one saved subset of elements.

40. (Currently amended) The system of Claim 39 further comprising ~~software executing on said computer for~~ receiving from the user an indication of specified objects.

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36. (Currently amended) The system of Claim 27 further comprising ~~software executing on said computer for~~ receiving from the user state information.

***Allowable Subject Matter***

3. Claims 11-43 are allowable in light of the applicant's arguments and in light of the prior art made of record.

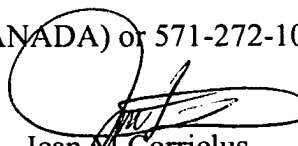
***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean M. Corrielus whose telephone number is (571) 272-4032. The examiner can normally be reached on 10 hours shift.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jean M Corrielus  
Primary Examiner  
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November 26, 2007